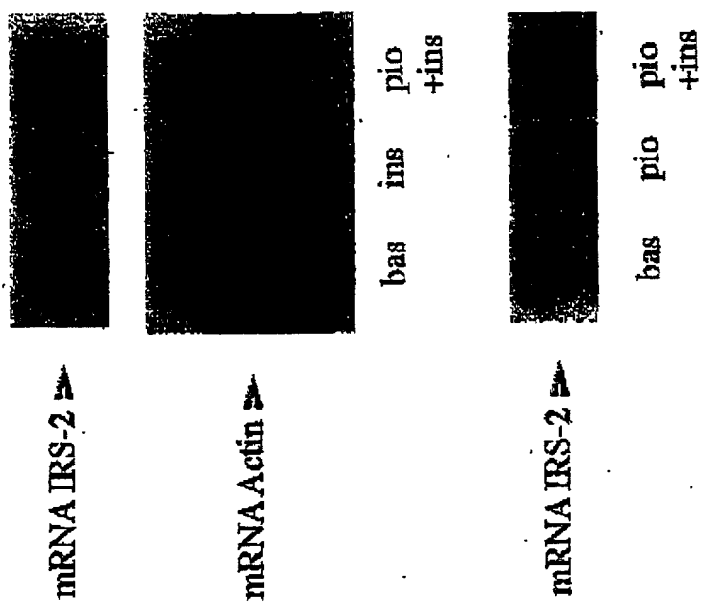


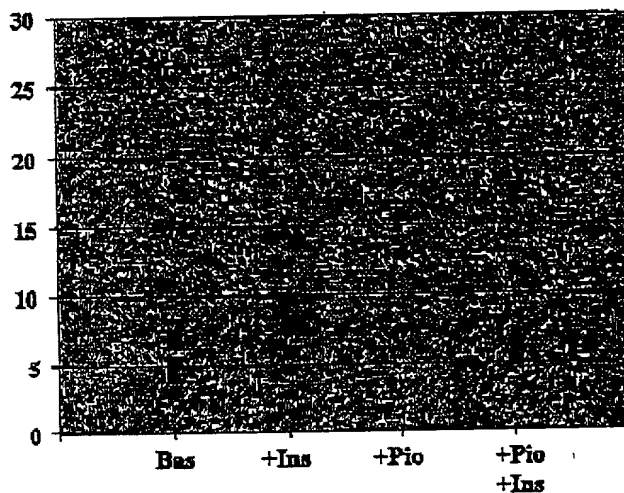
Fig. 1A



0987543 060901

Fig.1B

mRNA IRS-2
mRNA Actin

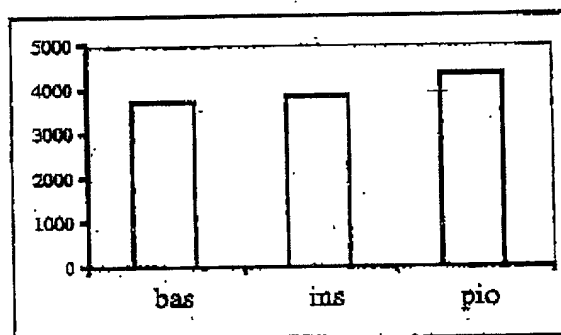


IRS-2 ip

ib IRS-2 ➤



bas ins pio



090545 060001
000000 545/0000

Fig.1C

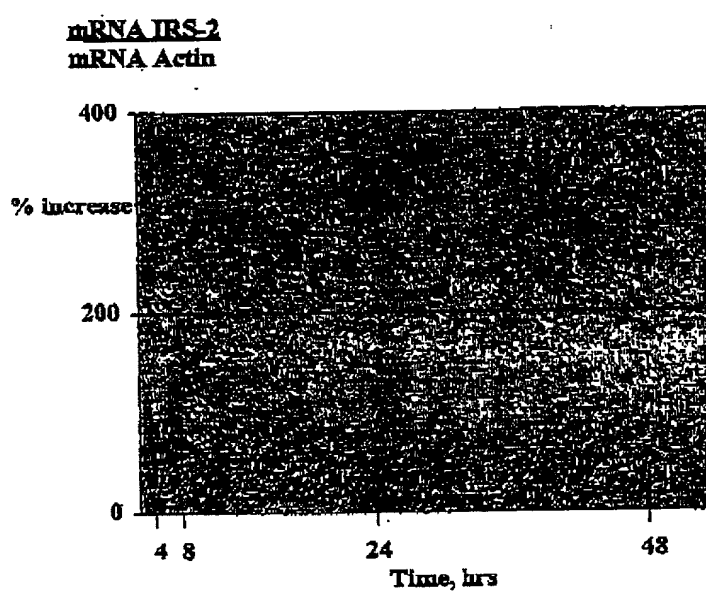


Fig. 2

mRNA IRS-2



ins dar
 +ins



ins WY pio WY
 +ins



bas prog prog 8-Br 8-Br
 +pio +pio

0987545 060201
T02090 54654860

Fig. 3A

mRNA IRS-1 ➤



mRNA PKB ➤

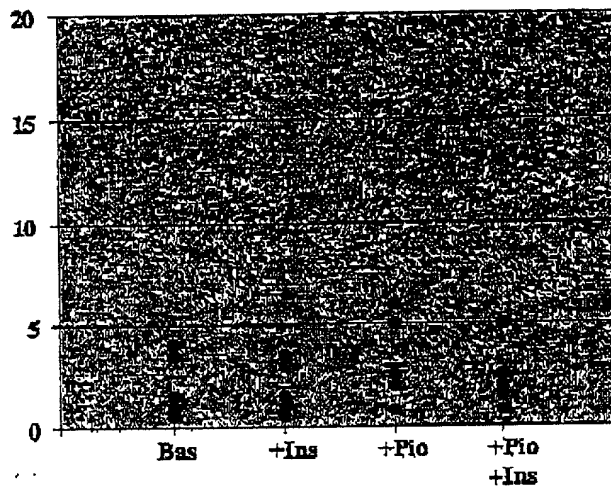


bas ins pio
 +ins

09875945.060801
T08090" S7657860

Fig.3B

mRNA IRS-1
mRNA Actin



IRS-1 ip

ib IRS-1 ➤



bas ins pio pio
+ins

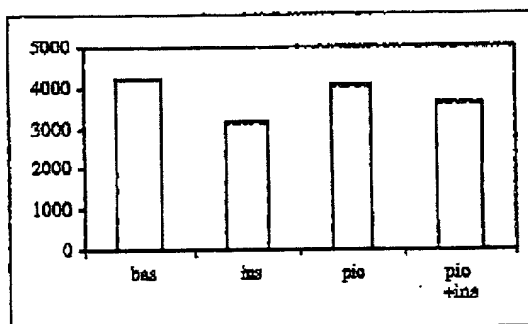


Fig. 4

PS- PKB ➤



PThr- PKB ➤



| | bas | ins | pio | pio +ins |
|-----|-----|-----|-----|-------------|
| ins | + | + | + | + |

| | | | | | | | | |
|------|---------|-----------------------|--------|---|--------|---|--------|-------------------------------|
| (7) | rev1487 | GGTAGGTGATTCTTACCTT | GATAAG | T | AGGTCA | C | CATCTA | TCCAGTTGTGCAGCTGGAAACCTG |
| (5) | 3398 | ATGCTTTGCTCTTCT | CTATTC | T | AGGTCA | T | TCAATC | CATCACAACCTCTGGAATTTCCACAT |
| (6) | 4474 | TCCTCTC | AGATGC | C | AGGTCA | C | ACTTC | AGGCTACAGCTGAACTT |
| (4) | 4606 | AGGTGGA | TTGCTT | G | AGGTCA | G | GAGTT | GAGACCAACTCAGCCAAACATGGT |
| (3) | 5956 | CTCCTCGCATTGCCAT | ATTGT | G | AGGTCA | C | TTGCAG | TAGGTATCTGTGCACA |
| (2) | 6553 | CATTATTGTGAAATT | TGTATT | C | AGGTCA | T | TCACCA | ATTTTGTAGATGTTT |
| (8) | rev7001 | GAACCTACATGAACATAGCCA | AATCAA | A | AGGTCA | G | TTGTAT | TTGGTACAGAACT |
| (1) | 9558 | AAAAAGAATGTGA | GACTTA | A | AGGTCA | A | TGTAGG | GGAGAAATACAAATTAATAAA |
| (9) | +18934 | GCCCCCGGACCCCA | CGC | A | AGGTCA | T | CCGCGC | AGACCCGCGAGGGGGCGCGCC |
| (10) | +19719 | GGGGCACAA | CAAGGC | A | AGGTCA | C | CTGCC | CTTTCCCTTGTTCCTGG |
| (11) | +21283 | ATAATGTT | AGCTGG | A | AGGTCA | A | TTTCAG | TGTATGATATATCTTTATTAAGATGTATA |
| (12) | +22657 | GAGGCAGGCAGA | TCACCT | G | AGGTCA | G | GAGTTC | GAGACAAGCCTGACCAACATGGAGAAA |

Fig. 5